

LX70 SERIES

One-Touch Setup
Fast, Reliable Small-Code Reading

For 3C precision electronics: optimized for small, damaged and reflective codes

Ultra-compact design / Adaptive algorithms / Polarization to reduce glare

- ◆ Reads 1 mm-class 1D / 2D codes
- ◆ 1280 × 960 global shutter; up to 120 FPS
- ◆ Direct / polarized illumination options to reduce glare
- ◆ Compact body for production lines, machines and fixtures
- ◆ One-touch setup: automatic matching of 860,000+ parameter configurations
- ◆ MV+AI algorithms for damaged and low-quality codes
- ◆ Automatic symbology detection with predefined templates
- ◆ USB / RS232 / Ethernet interface versions



Top Button View



Front Reading View



Overall Structure View

Retouched product renderings are illustrative; actual product details prevail.

1 mm

Small-code reading

120 FPS

Maximum frame rate

40 × 45 × 22

Body dimensions (mm)

IP42

Industrial protection

Supporting 3C manufacturing traceability at semi-automatic stations and automated lines

Technical Specifications

Model Configuration*	LX70-US	LX70-ES	LX70-UP
Supported symbologies	2D: DataMatrix (ECC200), QR Code 1D: Code39, Code93, Code128, EAN13, EAN8, UPC-E, Interleaved 2 of 5		
Sensor / frame rate	1280 × 960 global shutter CMOS; maximum acquisition frame rate: 120 FPS		
Illumination*	Direct / polarized illumination; red light		
Lens focal length*	4.8 mm / 10 mm		
Field of view	4.8 mm: H 41° / V 30.8°; 10 mm: H 18° / V 13°		
Working distance*	4.8 mm: HHD 20-60 mm / HD 60-120 mm / SR 100-200 mm 10 mm: 90 mm / 150 mm / 200 mm		
Focus system	Fixed focus		
Aimer	Two green LED aiming dots		
Communication interfaces	USB, RS232	100 Mbps Ethernet (RJ45 male), RS232	USB
Communication protocols	USB HID / CDC, RS232	TCP/IP, EIP, PN, Modbus TCP, MC, RS232	USB HID / CDC
Inputs / outputs	2 non-polarized isolated inputs + 2 isolated outputs	2 non-polarized isolated inputs + 2 isolated outputs	1 button input + 1 isolated input + 2 isolated outputs
Power supply	24 V DC +10%	24 V DC ±10%	USB 5 V
Ambient temperature	-10°C to +45°C		
Protection rating	IP42		
Certifications	CE, FCC, RoHS		

* Confirm the exact model before ordering. Parameters marked * are configurable before ordering.

Check the power requirements for the selected interface version.

Dimensions

